

REMARKS

Claims 1-56 are pending in this application. A Non-Final Office Action mailed July 6, 2005 objected to Claims 1, 16, 29, and 44, and further rejected claims 1-56 under 35 U.S.C. § 103(a) as being obvious over applicant admitted prior art (AAPA) in view of Ozaki (US 2003/0050723). By way of this amendment, Applicants hereby amend Claims 1, 7, 9, 10, 13-16, 21-23, 26-29, 35, 37, 38, 41-44, 49, 51, and 54-56. Applicants therefore respectfully request reconsideration of the application.

OBJECTION OF CLAIMS 1, 16, 29 AND 44

In regards to the Office Action objection to the recitation of “reconciling,” the applicant respectfully points out Paragraph 24 in the Published Application as one embodiment of how reconciling may be performed. Therefore, Applicants submit that “reconciling” is supported by the specification, and request reconsideration and withdrawal of this objection.

REJECTION OF CLAIMS 1-56 UNDER 35 U.S.C. § 103(a)

The Office Action rejected claims 1-56 under 35 U.S.C. § 103(a) as being obvious over AAPA in view of Ozaki (US 2003/0050723). In regards to the rejection of claim 1, the Office Action states in pertinent part that the AAPA teaches the ability to generate wiring harness installation models suitably for interconnection of electrical systems within each zone and open connections for systems in zones throughout the system. Further the AAPA does not teach or suggest the ability to generate the design of wiring harness assemblies needed to interconnect subsystems between different zones of the system. In light of this shortcoming the Office Action combines the AAPA with Ozaki.

Applicants submit that Ozaki does not teach or suggest “selecting an overall system and parameters for which a wiring harness is desired,” as recited in Claim 1. Ozaki teaches or suggests setting a reference plane, then each of the desirable sets of coordinates are set two dimensionally, further Ozaki teaches a step of setting a development plane as a reference, and finally using a reference trunk line to convert three dimensions into two dimensions. These steps

are taught by Ozaki to develop a two dimensional model that can be used as a tentative drawing in an attempt to create final drawings. Therefore, the combination of AAPA and Ozaki fails to teach or suggest Claim 1.

Further, Ozaki teaches breaking a wiring harness into segments in order to facilitate the transition into two dimensions. Ozaki teaches or suggests an automobile system, but only to show that segments can be taken from separate planes, and does not teach or suggest automatically reconciling the entire car system built in different segments. Also, Ozaki does not teach or suggest joining separately designed and built three dimensional wiring harness assemblies automatically to make up an entire system. Ozaki teaches or suggests converting a complete three dimensional system into a two dimensional system. Again, Applicants respectfully submit that the combination of AAPA and Ozaki fails to teach or suggest Claim 1.

Therefore, Applicants submit that independent Claim 1 is allowable over Ozaki. Applicants submit that independent Claims 16, 29, and 44 are also allowable over the cited reference for similar reasons as Claim 1. Because Claims 2-15, 17-28, 30-43, and 45-56 depend from allowable independent claims, they are allowable for the same reasons that make their corresponding independent claims allowable.

Applicants submit that Claim 9 is allowable for the following additional reason. Claim 9 recites "The method of Claim 1, wherein the reconciling of wiring connections further comprises interrogating connections for points with wire harness assemblies that are greater than a predefined trapping distance from a harness centerline element." Ozaki does not teach or suggest "interrogating connections." To establish a prima facie case of obviousness, the prior art references must teach or suggest all claim limitations. MPEP 2143. Therefore, Applicants submit that Claim 9 is allowable for this additional reason. Further Claims 10, 22-23, 37-38 and 50-51 also recite the reconciling and interrogating as recited in Claim 9.

CONCLUSION

For the foregoing reasons, applicant respectfully requests reconsideration and withdrawal of the rejections of claims 1-56. If there are any remaining matters that may be handled by telephone conference, the Examiner is kindly invited to call the undersigned at his convenience.

Respectfully submitted,

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MAIL CERTIFICATE

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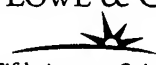
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